

Makhmud, A.H.

Kinetic Process Behaviour Sequence in the
Decarburization of Metallic Melt.
IZV. VUZ. CHERN. MET., 1973, No.9, pp.8-12.
BISI 12029

Luzgin, V.P.

Activity as a Characteristic of Interaction
Between Particles in Equilibrium and Non-Equi-
librium.

IZV. VUZ. CHERN. MET., 1973, No.9, pp.50-53.

BISI 12033

Gabidullin, R.M.

Distribution of Hydrogen in Iron.

IZV. VUZ. CHERN. MET., 1973, No.9, pp.54-67.

SISI 12634

Chekmarev, A.P. et al

Principles of the Deformation of a Hollow
Heated Billet by High-Pressure Hydraulics.
IZV. VUZ. CHERN. MET., 1973, No.9, pp.73-74.
BISI 12036

Chelyshev, H.A.

Effect of Vibrations of Additional Force on
the Upsetting Process.

IZV. VOZ. CHERN. MET. 1973, No.9, pp.75-77.

EISI 12035

Mel'tser, V.V.

Reaction of the Outlying Portions of a Strip
to Inhomogeneous Reduction During Light-Gauge
Sheet Rolling. Pt. 2.

IZV. VUZ. CHERN. MET., 1973, No.9, pp.78-80.

BISI 12037

Nyashin, Yu. I. et al.

Variational Method of Calculating the Temperature Fields in Processes of Treatment of Metals by Pressure.

IZV. VUZ.CHERN. MET., 1973, No.9, pp.91-94.

BISI 12038

Khuravlev, A.Z.

Comparison of the Operation of Ring and Pin
Load Cells in Determining the Pressures on the
Walls of a Stamp.

IZV. VUZ. CHERN. MET., 1973, No.9, pp.100-103.

BISI 12039

Filoppov, E.S.

The Possible Mechanism and Sequence of Structural Transformations Taking Place in Molten Tin, Gallium and Indium.

IZV. VUZ. CHERN. MET., 1973, No.9, pp.124-130.

BISI 12040

Fogel'son, R.L. et al

Diffusion of Manganese into Copper.

IZV. VUZ. CHERN. MET., 1973, No.9, pp.136-37.

BISI 12041

Khadzhiev, R.R.

Recovery in Iron after Deformation by Flat
Shock Waves.

IZV. VUZ. CHERN. MET., 1973, No.9, pp.142-45.

BISI 12042

Kekolo, I.B.

Influence of Carbon on the Effectiveness of
Thermomagnetic Treatment of single crystals
of Silicon Iron.

IZV. VUZ. CHERN. MET., 1973, No.9, pp.150-154.

BISI 12043

Popov, S.M. et al

Pulsation of a Gas Bubble in Molten Steel as
it Surfaces.

IZV. VUZ. CHERN. MET., 1973, No.9, pp.175-178.

BISI 120

Shatokha, I.Z. et al

Investigation of the Coke and Sinter Break-down Process.

IZV. VUZ. CHERN. MET., 1973, No.10, pp.33-35.

BISI 12081

BOGOVSTEV. N. I. et al
//IZV VUZ CHERN MET//
--/--/1973, V----, N0010
The effect of additions to lime on the rate
at which it is assimilated by slag
pp 50-53 BISI 12084##

Legaev, V.G. et al

Research into the Cooling of the Hearths of
Furnaces used for Melting Standard Electroco-
rundum.

IZV. VUZ. CHERN. MET., 1973, No.10, pp.54-56.

BISI 12085

Chelyshev, N.A.

Effect of Fluctuations in Supplementary Forces on Stresses in a Press Housing.

IZV. VUZ. CHERN. MET., 1973, No.10, pp.61-63.

BISI 12C86

GRIGORIN, V. I.
//IZV. VUZ CERN. MET.//
---/1973, V----, 00010,
Effects of Carbon and Manganese on Phase Changes
in Manganese Alloys,
pp 167-181, DIST 1200000

REF: A. I.

//EST. FILE. (S)S. (S)S. //

--/1000, 1000, 1000, //

Also referred to by the Primary Committee in
Town-Center, Atlanta.

in 100-100, ST. I 100000.

DRAPKIN, B. M. et al
//IZV VUZ CHERN MET//
--/--/1973, V----,N0010
rules govering the change in the elastic
properties of cast iron during thermal-fatigue
failure
pp 135-~~137~~ BISI 12094##

Gol'farb, E.M.

Generalizing Certain Extreme Problems in the
Heating of Bodies.

IZV. VUZ. CHERN. MET., 1973, No.10, pp.142-44.

BISI 12096

PAVLOV, YU. AL. ET AL
//IZV. VUZ. CHERN. MET//
--/--/1973,V-----,N0011,
Behaviour of lithium-manganese ferrites during
heating,
pp 5-8,BISI 12143@

SPEKTOR, A.N. ET AL
//IZV. VUZ. CHERN. MET//
--/--/1973,V----,N0011,
Absorption of sulphur dioxide by components
of the mix by fluxed pellets,
pp 29-32,BISI 12144@

SURGUCHEV, G.D.

//IZV. VUZ. CHERN. MET//

--/--/1973,V----,N0011,

A mathematical model of the decarburisation
process allowing for the process occurring in
the reaction zone,

pp 45-47,BISI 12145@

RUDOI, L.S.
//IZV. VUZ. CHERN. MET//
--/--/1973,V----,N0011,
Determination of the number of strands for a
continuous casting machine,
pp 53-56,BISI 12146@

MAGIDSON. I. A.
//IZV. VUZ CHERN MET//
--/--/1973, V----, N0011
Viscosity of chromium slags
pp 61-64 BISI 12147##

ZAVERYUKHA, V.N.

//IZV. VUZ. CHERN. MET//

--/--/1973,V----,N0011,

Calculation of non-stationary temperature
fields in plate-rolling rolls by the method
of finite differences,

pp 80-83,BISI 12149@

ZHAIKIN, B.E. ET AL
//IZV. VUZ. CHERN. MET//
--/--/1973,V----,N0011,
The variational-differential method of solving
the problems of metal working in terms of
stress,
pp 88-92,BISI 12151@

GUN, G. YA. et al
//IZV VUZ CHERN MET,/
--/--/1973, V----,N0011,
Investigation of the deformation resistances and
plasticity of nickel based heat resistant alloys
pp 92-97 BISI 12150##

POTAPOV, I.N.
//IZV.VUZ. CHERN. MET//
--/--/1973,V----,N0011,
Principles of calculation of the pass design
of work rolls when rolling in the region of
large feed angles,
pp 113-117,BISI 12153@

CHELYUSTKIN, A. B. et al
//IZV VUZ CHERN MET,/
--/--/1973, V----, N0011
Forced inter-stand strip cooling during hot
rolling
pp 128-132 BISI 12154##

Filippov, E.S. et al

The Effect of Successive Alternation of Structures in Pure Molten Metals.

IZV. VUZ. CHERN. MET., 1973, No.11, pp.141-146

BISI 12155

Get'man, A.A. et al

Size and Nature of the Location of Shrinkage
Cavities in Iron Castings.

IZV. VUZ. CHERN. MET., 1973, No.11, pp.169-170

BISI 12157

STARK, S.B.
//IZV. VUZ. CHERN. MET//
--/--/1973,V----,N0011,
Atomization of liquids by centrifugal nozzles,
pp 182-185,BISI 12158@

ROITBURD, L.N. ET AL
//IZV. VUZ. CHERN. MET//
--/--/1973,V----,N0011,
Reserve potential in the economic effective-
ness of the electroslag refining process.
pp 186-188,BISI 12159@

Kushnir, H.N. et al

Density and surface tension of molten chromium
nickel alloys.

IZV. VUZ. CHERN. MET. 1973, No.12, pp.5-6.

*BISI 12216

GRIGOREV, G. A.
//IZV. VOZ CHEM. MET.//
--/--/1973, V----, NOC12,
Investigation of the Interphase Tension on the
Metal-Silica Boundary Using the Indirect Adhesion
Work Method,
in T-10, IZV. VOZ CHEM.

ESAULOV, V. S.

//IZV. VUZ CHEM. MET.//

---/1973, V----, NO. 12,

The Influence of Composition and Particle Size on
the Rate of Oxidation of Eutectic Mixtures,
in 40-47, NILE 1991281

STARCHENKO, D. I.
//IZV VUZ CHERN MET, //
--/--/1973, V----,N0012,
Investigation of the effect of ingot shape on the
nature of the deformation during rolling on a
slabbing mill
pp 84-88 BISI 12221##

POLISHIN, V. P.
//LIT. WUZ ODEEN. MAT.//
---/---/1973, V---, NOOIA,
Calculation of the Inter-Roll Pressure on Multiple-
roll Mills,
ID 67-100, RISI 181000

SEREGIN, S.A.
//IZV. VUZ. CHERN. MET//
--/--/1973,V----N0012,
A laboratory rolling mill with propelled roll,
pp 103-105,BISI 12223@

TARAN, N. I.

//REV. WUZ OLENN. MET.//

--/--/1973, V----, NOC12,

Calculating Run or Systems for the Direct Feeding
of Large Steel Castings and Forging Ingots,

pp 113-116, DUCI 1973:21

KULAKOV, S. M.
//IZV VUZ CHERN MET, //
--/--/1973, V----, N0012,
Comparsion of typical means of presenting
information
pp 143-146, BISI 12227##

LEVIN, M. Z.
//LEV. VUZ CHERN. KET.//
--/--/1973, V----, NOOLC,
Reinvocating Movement Mechanism for a World with
Advanced Application of Sine-wave Movement,
FD 156-158, FIRST 1028900

EGOROV, V.F. ET AL
//IZV. VUZ. CHERN. MET//
--/--/1973,V----,N0012,
Averaging out the loads on press shears drives
(report 2),
pp 159-162,BISI 12229@

BITUMEN, V. P.

//REV. FOR CEMENT. 100.//

--/--/100h, 100h, 100h,

Deposition of Bitumen Oxide on a Refractory
Substrate,

IN 6-7, 100h 100h

YUSFIN. YU. S. et al
//IZV VUZ CHERN MET//
--/--/1974, V----, N0001
Effects of crystals structure imperfections on
the sintering of iron oxides
pp 18-20 BISI 12251##

GILKOV, M. A.

//TEV. WUZ GILKOV. RET.//

--/--/70TH, Y---, 10001,

Metallurgical Laboratory of the Processes of Oxidation
of Liquids During Continuous Steel Melting,
pt 24-26, 1971 10-5086

KAPLAN, P. R.
//TZV. VUZ CHEMN. MDT.//
--/--/1971, V----, R0001,
Hydrodynamic and Diffusion Processes in Plant for
the Continuous Conversion of Iron. Report 1,
PT 07-10, R001 100000

SHEVTSOV, E. K.
//IZV. VUZ CHEM. MET.//
---/---/1974, V---, N0001,
Mechanism of the Formation of the Slag-Metal Transi-
tion Zone in a Molten Hearth Bath,
pp 40-46, 1974

MILENIN, D. N.
//REV. VUZ CHENI. MET.//
---/---/1974, V----, 20000,
Effect of Ultrasonic Vibrations on the Microstructure
of Heat-Resisting Nickel Alloys,
UD 62-50, 6201 12870.3

POLUKHIN. V. P. et al
//IZV VUZ CHERN MET//
--/--/1974, V----, N0001
Part played by flattening of the mill roll in
forming the transverse profile of stock
pp 74-77 BISI 12256##

KOLENOV, A. P.

//IZV. VUZ CHEM. MET.//

--/--/1974, V---, NO001,

Investigation of the Cross Rolling of Molybdenum and

Aluminum,

22 04-00, VEST 199000

NECHAEV. YU. S.
//IZV VUZ CHERN MET//
--/--/1974, V----, N0001
The heat and energy of transport of vacancies
in metallic crystal
pp 125-131 BISI 12260##

LEVIN, B. E.
//REV. WUZ CHEM. PER.//
--/--/1974, V----, 10001,
Structure and Properties of Magnesium-Zinc Ferrite
and Alloys with Graphite Oxide,
pp 100-104, 1974, 10001

MOZHAROV. M. V. et al
//IZV VUZ CHERN MET//
--/--/1974, V----, N0001
Redistribution of elements during electrolytic
boriding
pp 149-153 BISI 12263##

NOVIKOV. V. V. et al
//IZV VUZ CHERN MET, //
--/--/1974, V----,N0001
Research into heat transfer in a channel type
high speed heating furnace
pp 166-169 BISI 12264##

BROWN, L. A.

//INVESTIGATION VUE CUBAN. REF.//

--/--/1970, 7-11-70, NO 101.

Thermal Calculation of a Compartment Furnace Under
a Steady-state Schedule.

IN 150-171, DIST 1006700

SIMONOV, V. P.

//IZV. VUZ CHEM. MET.//

--/---/1971,7----,1980.

Analysis of the Thermal Conditions in the Moulds
of Plant for the Continuous Casting of Metals,
pp 175-176, 1981, 1980.

GLINKOV, G. H.

//IZV. VUZ KHIM. MEX.//

--/--/1971, V-----, 10001,

Study of the Heterogeneity of a Liquid Open-Hearth
Bath by Means of Radioactive Isotopes,

pp 125-128, NIMI 1206738

LEVOCHKIN. O. V. et al
//IZV. VUZ CHERN MET//
--/--/1974, V----, N0002
Carbidization in the surface layer of iron and
nickel during the reduction of interference
coloured oxide films with carbon monoxide
pp 9-11 BISI 12338##

KONOVALOV. G. F. et al
//IZV VUZ CHERN MET//
--/--/1974, V----, N0002
Inter phase tensions of type 15k steel with
slags, used for continuous casting and
adhesion of the phases
pp 15-17 BISI 12339##

OSINOVSKIKH, L. L. et al

//IZV VUZ CHERN MET//

--/--/1974, V----, N0002

Change in the enthaplpy and specific heat of
blast furnace slags during their heat treatment

pp 35-39 BISI 12340##

NESTERENKO, S. V.

//IZV. VUZ CHEM. 1977.//

--/--/1977, V----, NO000,

Determining the Electrical Conductivity of Sleg
Belts at Various Temperatures,
in 40-48, 1977, 1978.

GAVRILIN, E. F.

//IZV VUZ CHERN MET//

--/--/1974, V----, N0002

Determining the position of a roof oxygen lance
in an open hearth furnace by electrical methods

pp 48-52 BISI 12342##

MEDZHIBOZHSKII, M. YA

//IZV VUZ CHERN MET//

--/--/1974, V----, N0002

Detailed explantion of the basic law of
kinetics of the solution of solid bodies in
liquid

pp 53-57 BISI 12343##

BOGACHEV. I. N. et al
77IZV VUZ CHERN MET, //
--/--/1974, V----, N0002
The plastic deformation and photoelectric
(exoemission) properties of metals and alloys
pp 127-130, BISI 12344##

DETKOV, S. P.
//IZV VUZ CHERN MET.//
--/--/1974, V----,N0002
the absorbing power of gaseous products of
combustion
pp 142-146, BISI 12345##

GOL'DFARB, E. M.

//IZV VUZ CHERN MET//

--/--/1974, V----, N0002

Analyzing the thermal stresses in braced and
suspended furnace roofs and selection of a
rational design for fixing skewbacks

pp 161-164 BISI 12347##

SHAKIROV. V. A. et al
//IZV VUZ CHERN MET, //
--/--/1974, V----, N0002
Optimum reserves on steelmelting schedules to
ensure maximum reliability of fulfillment
Report I
pp 174-178 BISI 12348##

POLUKHIN, P. I. et al
//IZV. VUZ, CHERN, MET//
--/--/1974, V----,N0003
Investigations of the process of longitudinal
rolling of tubes in vacuum,
pp 65-68 *BISI 12417@@

POTAPKIN, V. F.
//IZV. VUZ, CHERN, MET, //
--/--/1974, V----, N0003,
Field of slip lines in the unsteady-state
proces of rolling heavy and medium sheet,
pp 77-81 *BISI 1241300

NECHAEV, YU. S.
//IZV, VUZ, CHERN, MET, //
--/---/1974, V-----, N0003,
kinetics of the establishment of equilibrium
electrical resistance in the solidus-liquidus
region,
pp 110-112 *BISI 12419@@

KARASYUK, N. P.
//IZV. VUZ. CHERN. MET.,//
--/--/1974, V----, K0003,
Relationship of the paramagnetic susceptibility
and of aging process for the high temperature
El437B alloy to temperature,
pp 132-134, * BISI 12420@@

POLESYA. A.F.

//IZV. VUZ CHERN MET.,//

--/--/1974, V-----,N0003,

Structure of Ni-Sb and Fe-Sb alloys quenched from
the quenched from the molter state,

pp 149-153, *BISI 12421@@

ZLOBINSKII, B. M.

//IZV. VUZ. CHERN, MET.,//

--/--/1974, V----,N0003,

Factors influencing the sound emission of cast
iron,

pp 154-157, *BISI 12422@@

SABEL'NIKOV, A. G.

//IZV. VUZ. CHERN. MET.,//

--/--/1974, V----, N0003,

The temperature field and thermoelastic stresses
in a cylinder of unlimited extent containing an
internal source of heat,

pp 158-161, *BISI 12423@@

GLINKOV, M.A. et al
//IZV. VUZ. CHERN MET.,//
--/--/1974, V----,N0003,
Dynamics of a gas jet in a liquid, communication
2,
pp 166-169, *BISI 1242000

VEITSMAN. E. V.
//izvest. vuz chern met//
--/--/1974, V----, N0005
Problems of the theory of carbon oxidation in
an Fe-C melt
pp 13020 *BISI 12576##

GLINKOV. M. AM.
//IZVEST. VUZ CHERN MET//
--/--/1974, V----, N0005
Investigation of the dynamic of scrap melting
in molten open hearth bath
pp 27-31 *BISI 12577##

ELANSKII, G. N. et al
//IZVEST. VUZ CHERN MET//
--/--/1974, V----, N0005

The process of removing non-metallic inclusions
during the boil in the open hearth furnace bath
pp 44-48 *BISI 12578##

GRIGORYAN. V. A.
IZVEST, VUZ CHERN MET
--/--/1974, V----, N0005
Dynamic surface effect of dissolution of
pyrographite in Fe-C and Ni-C melts
pp 55-58 *BISI 12579##

NYASHIN. YU. I.

//IZVEST, VUZ CHERN MET//

--/--/1974, V----, n0005

Solving the problem of processing metals by
pressure through the method of finite elements

pp 74-78 *BISI 12580##

ZHELEZNOV. YU. D. et al
//IZVEST, VUZ CHERN MET//
--/--/1974, V----, n0005
Transmission function of an object in monitoring
the flatness of rolled stock
pp 107-110 * BISI 12581##

FILIPPOV. E. S.
//IZVEST VUZ CHERN MET//
--/--/1974, V----, n0005
Causes of the grouping formation destrucutring
melling and boiling of molten metals
pp 115-121 *BISI 12582##

KUZNETSOV. G. D. et al
//IZVEST. VUZ CHERN MET//
--/--/1974, V----, n0005
Comparative evaluation of the effectiveness
processes of formation of coatings
pp 146-149 *BISI 12583##

KHAIRETDINOV. E. P.
//IZVEST VUZ CHERN MET//
--/--/1974, V----, n0005
Structural phase changes in the surface layer
of a punch
pp 154-156 *BISI 12584##